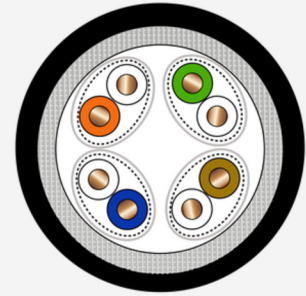


Data Outdoor Cable, Cat7, S/FTP, 23AWG, PE - FC7SFEB



DESCRIPTION

FABNET Category 7 S/FTP Outdoor UV resistant, black PE Outer Jacket cables are suitable for harsh conditions for external applications. It is used to transport digital, analog voice, data, video and POE signals. Cat7 cable provides transmission performance in the 1-600MHz range as per IEC 61156-5 and is tested up to 1.2GHz for reference and that carries Outer Jacket production with HFFR or different features is carried out according to customer demand.

APPLICATIONS

- Supports Category 7 networks up to 600MHz
- 100BASE-T through 10GBASE-T Ethernet
- Power over Ethernet (PoE)- IEEE 802.3bt Type 1 to 4
- Indoor/Outdoor – Outdoor Ethernet Application.

SPECIFICATIONS & FEATURES

- The cable shall meet ANSI/TIA-568-D.2, ISO 11801
- Cable jacket UV-stabilized outdoor-rated PE material
- 23AWG premium grade copper conductor
- Fully shielded construction ensures virtually zero cross talk

MECHANICAL & PHYSICAL PROPERTIES

Basic Conductor	Solid Bare Copper	Category	CAT 7 S/FTP
Conductor Size	23 AWG	Pulling Force	60 N / mm ² max
Insulation	Polyolefin	Short Term Bend Radius	4xOD mm
Number of Insulated Conductors	8, twisted in 4 pairs	Long Term Bend Radius	8xOD mm
Color Code of Pairs	Blue x White/Blue, Orange x White/ Orange, Green x White/Green, Brown x White/Brown	Operating Temperature	-40 to +80C
Outer Jacket	PE	Installation Temperature	-10 to +60C
Jacket Color	Black	Storage Temperature	-40 to +80C
Overall Outer Shield	Tinned Copper Braid	Individual shield	Aluminum Foil Tape

ELECTRICAL SPECIFICATIONS

Characteristic Impedance	100±6 Ohm @ 1-600 MHz
DC Resistance	76 Ohm/km max.
Resistance unbalance	2% max
Capacitance	45 pF/m nom. @ 1 KHz
Cap. Unbalance (wire to ground)	1600 pF/Km max. @ 1 KHz
Voltage rating	72 Vdc max.
Dielectric strength	1500 Volt / 1 minute min. rms
Velocity of Propagation (NVP)	Min. %77 - 80
Propagation delay	534 + 36/f½ nS/100m max @ 1-600 MHz
Propagation Delay Skew	25 nS/100m max @ 1-600 MHz
Insulation Resistance	5000 MegaOhm-Km min. @ 500 Vdc
Coupling attenuation	55 dB min @ 30-100 MHz 55-20Log(f/100) @100-600 MHz

PACKING DETAILS

Length (Mtr)	Approx. OD(mm)	Packaging Type
305	7.4±0.3	BOX
500	7.4±0.3	REEL

ORDERING INFORMATION

FC7SFEB-AT	Data Outdoor Cable, Cat7, S/FTP, 23AWG, PE, Black, 305 Mtr
FC7SFEB-AF	Data Outdoor Cable, Cat7, S/FTP, 23AWG, PE, Black, 500 Mtr